

RAW SEQUENCE LISTING

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Application Serial Number: 10/619,545B
Source: IFW/6
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IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/619,545B

DATE: 03/20/2007
TIME: 08:52:55

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Output Set: N:\CRF4\03202007\J619545B.raw

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3 <110> APPLICANT: OLSON, LARS
4      BURVENICH, SILVIA
5      SYDOW, OLOF
6      ANVRET, MARIA
7      ZHANG, ZHIPING
9 <120> TITLE OF INVENTION: ADH7 NUCLEOTIDES
11 <130> FILE REFERENCE: 1522-1001-1
13 <140> CURRENT APPLICATION NUMBER: 10/619,545B
14 <141> CURRENT FILING DATE: 2003-07-16
16 <150> PRIOR APPLICATION NUMBER: PCT/SE99/01136
17 <151> PRIOR FILING DATE: 1999-06-23
19 <150> PRIOR APPLICATION NUMBER: SE 9802294-0
20 <151> PRIOR FILING DATE: 1998-06-26
22 <150> PRIOR APPLICATION NUMBER: 60/090,925
23 <151> PRIOR FILING DATE: 1998-06-26
25 <160> NUMBER OF SEQ ID NOS: 40
27 <170> SOFTWARE: PatentIn Ver. 3.3
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 140 tctctaaaat cagccatgcc taggcaaagc agcttgcact taaacaccca atacatttt 240
 142 catgattgtg ttgaagtcaa gtaacctaac ccgttttat atccttcaaa ataagggtgaa 300
 144 taggaatgct ttcagccctt ttcaatagct ttgattatct tgttttgtt agatccctcc 360
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 148 ggcttgcaga ccattgcaaa gttgtacgg ctgtgagtca tattgctgaa ggtggaactc 480
 150 tgaagccaga ctatctatgt gaaggcacaa gctgctgta tataacaacag agtgaactga 540
 152 gcatcagtca gaaaaagtct atgtttgcag aaatacagat ccaagacaaa gacagg atg 599
 153 Met
 154 1
 156 ggc act gct gga aaa gtaagtggaa cattttgcc tatttcttag gtt att aaa 653
 157 Gly Thr Ala Gly Lys Val Ile Lys
 158 5
 160 tgc aaa gca gct gtg ctt tgg gag cag aag caa ccc ttc tcc att gag 701
 161 Cys Lys Ala Ala Val Leu Trp Glu Gln Lys Gln Pro Phe Ser Ile Glu
 162 10 15 20 25
 164 gaa ata gaa gtt gcc cca cca aag act aaa gaa gtt cgc att aag 746
 165 Glu Ile Glu Val Ala Pro Pro Lys Thr Lys Glu Val Arg Ile Lys
 166 30 35 40
 168 gtaagcgtga gccccttgcattt ttgaacacag att ttg gcc aca gga atc tgt cgc 800
 169 Ile Leu Ala Thr Gly Ile Cys Arg
 170 45
 172 aca gat gac cat gtg ata aaa gga aca atg gtg tcc aag ttt cca gtg 848
 173 Thr Asp Asp His Val Ile Lys Gly Thr Met Val Ser Lys Phe Pro Val
 174 50 55 60
 176 att gtg gga cat gag gca act ggg att gta gag agc att gga gaa gga 896
 177 Ile Val Gly His Glu Ala Thr Gly Ile Val Glu Ser Ile Gly Glu Gly
 178 65 70 75 80
 180 gtg act aca gtg aaa cca g gtatatgcag gtgtcattt tttcctgttag gt gac 950
 181 Val Thr Thr Val Lys Pro Gly Asp
 182 85
 184 aaa gtc atc cct ctc ttt ctg cca caa tgt aga gaa tgc aat gct tgt 998
 185 Lys Val Ile Pro Leu Phe Leu Pro Gln Cys Arg Glu Cys Asn Ala Cys
 186 90 95 100
 188 cgc aac cca gat ggc aac ctt tgc att agg agc ga gtaggttca 1043
 189 Arg Asn Pro Asp Gly Asn Leu Cys Ile Arg Ser Asp
 190 105 110 115
 192 gtcattgtat tatcaaacag t att act ggt cgt gga gta ctg gct gat ggc 1094
 193 Ile Thr Gly Arg Gly Val Leu Ala Asp Gly
 194 120 125
 196 acc acc aga ttt aca tgc aag ggc aaa cca gtc cac cac ttc atg aac 1142
 197 Thr Thr Arg Phe Thr Cys Lys Gly Lys Pro Val His His Phe Met Asn
 198 130 135 140
 200 acc agt aca ttt acc gag tac aca gtc gtg gat gaa tct tct gtt gct 1190
 201 Thr Ser Thr Phe Thr Glu Tyr Thr Val Val Asp Glu Ser Ser Val Ala
 202 145 150 155
 204 aag att gat gat gca gct cct cct gag aaa gtc tgt tta att ggc tgt 1238
 205 Lys Ile Asp Asp Ala Ala Pro Pro Glu Lys Val Cys Leu Ile Gly Cys

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212	gtaagaaaaca ggg tacattc ctctccacag gtc aaa cct ggt tcc act tgc gtc	1334		
213	Val Lys Pro Gly Ser Thr Cys Val			
214	190	195		
216	gtc ttt ggc ctg gga gga gtt ggc ctg tca gtc atc atg ggc tgt aag	1382		
217	Val Phe Gly Leu Gly Gly Val Gly Leu Ser Val Ile Met Gly Cys Lys			
218	200	205	210	
220	tca gct ggt gca tct agg atc att ggg att gac ctc aac aaa gac aaa	1430		
221	Ser Ala Gly Ala Ser Arg Ile Ile Gly Ile Asp Leu Asn Lys Asp Lys			
222	215	220	225	
224	ttt gag aag gcc atg gct gta ggt gcc act gag tgt atc agt ccc aag	1478		
225	Phe Glu Lys Ala Met Ala Val Gly Ala Thr Glu Cys Ile Ser Pro Lys			
226	230	235	240	
228	gac tct acc aaa ccc atc agt gag gtg ctg tca gaa atg aca ggc aac	1526		
229	Asp Ser Thr Lys Pro Ile Ser Glu Val Leu Ser Glu Met Thr Gly Asn			
230	245	250	255	260
232	aac gtg gga tac acc ttt gaa gtt att ggg cat ctt gaa acc atg	1571		
233	Asn Val Gly Tyr Thr Phe Glu Val Ile Gly His Leu Glu Thr Met			
234	265	270	275	
236	gtaagacccc aaaatccgtt ttaaactcag att gat gcc ctg gca tcc tgc cac	1625		
237	Ile Asp Ala Leu Ala Ser Cys His			
238	280			
240	atg aac tat ggg acc agc gtg gtt gta gga gtt cct cca tca gcc aag	1673		
241	Met Asn Tyr Gly Thr Ser Val Val Val Gly Val Pro Pro Ser Ala Lys			
242	285	290	295	
244	atg ctc acc tat gac ccg atg ttg ctc ttc act gga cgc aca tgg aag	1721		
245	Met Leu Thr Tyr Asp Pro Met Leu Leu Phe Thr Gly Arg Thr Trp Lys			
246	300	305	310	315
248	gga tgt gtc ttt gga ggtcaggaaag caaagtgtgc ttatggcag gt ttg aaa	1775		
249	Gly Cys Val Phe Gly		Gly Leu Lys	
250	320			
252	agc aga gat gat gtc cca aaa cta gtg act gag ttc ctg gca aag aaa	1823		
253	Ser Arg Asp Asp Val Pro Lys Leu Val Thr Glu Phe Leu Ala Lys Lys			
254	325	330	335	
256	ttt gac ctg gac cag ttg ata act cat gtt tta cca ttt aaa aaa atc	1871		
257	Phe Asp Leu Asp Gln Leu Ile Thr His Val Leu Pro Phe Lys Lys Ile			
258	340	345	350	355
260	agt gaa gga ttt gag ctg ctc aat tca gga caa ag gtaactgttt	1916		
261	Ser Glu Gly Phe Glu Leu Leu Asn Ser Gly Gln Ser			
262	360	365		
264	cttatcattt tacatttcag c att cga acg gtc ctg acg ttt tgagatccaa	1968		
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284 35 40 45
286 Thr Asp Asp His Val Ile Lys Gly Thr Met Val Ser Lys Phe Pro Val
287 50 55 60
289 Ile Val Gly His Glu Ala Thr Gly Ile Val Glu Ser Ile Gly Glu Gly
290 65 70 75 80
292 Val Thr Thr Val Lys Pro Gly Asp Lys Val Ile Pro Leu Phe Leu Pro
293 85 90 95
295 Gln Cys Arg Glu Cys Asn Ala Cys Arg Asn Pro Asp Gly Asn Leu Cys
296 100 105 110
298 Ile Arg Ser Asp Ile Thr Gly Arg Gly Val Leu Ala Asp Gly Thr Thr
299 115 120 125
301 Arg Phe Thr Cys Lys Gly Lys Pro Val His His Phe Met Asn Thr Ser
302 130 135 140
304 Thr Phe Thr Glu Tyr Thr Val Val Asp Glu Ser Ser Val Ala Lys Ile
305 145 150 155 160
307 Asp Asp Ala Ala Pro Pro Glu Lys Val Cys Leu Ile Gly Cys Gly Phe
308 165 170 175
310 Ser Thr Gly Tyr Gly Ala Ala Val Lys Thr Gly Lys Val Lys Pro Gly
311 180 185 190
313 Ser Thr Cys Val Val Phe Gly Leu Gly Gly Val Gly Leu Ser Val Ile
314 195 200 205
316 Met Gly Cys Lys Ser Ala Gly Ala Ser Arg Ile Ile Gly Ile Asp Leu
317 210 215 220
319 Asn Lys Asp Lys Phe Glu Lys Ala Met Ala Val Gly Ala Thr Glu Cys
320 225 230 235 240
322 Ile Ser Pro Lys Asp Ser Thr Lys Pro Ile Ser Glu Val Leu Ser Glu
323 245 250 255
325 Met Thr Gly Asn Asn Val Gly Tyr Thr Phe Glu Val Ile Gly His Leu
326 260 265 270
328 Glu Thr Met Ile Asp Ala Leu Ala Ser Cys His Met Asn Tyr Gly Thr
329 275 280 285
331 Ser Val Val Val Gly Val Pro Pro Ser Ala Lys Met Leu Thr Tyr Asp
332 290 295 300
334 Pro Met Leu Leu Phe Thr Gly Arg Thr Trp Lys Gly Cys Val Phe Gly
335 305 310 315 320
337 Gly Leu Lys Ser Arg Asp Asp Val Pro Lys Leu Val Thr Glu Phe Leu
338 325 330 335
340 Ala Lys Lys Phe Asp Leu Asp Gln Leu Ile Thr His Val Leu Pro Phe
341 340 345 350
343 Lys Lys Ile Ser Glu Gly Phe Glu Leu Leu Asn Ser Gly Gln Ser Ile
344 355 360 365

VERIFICATION SUMMARY

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